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New College, Chennai  
 National College, Tiruchirapalli  
 Madurai Kamaraj University, Madurai  
 Kamaraj College, Tuticorin  
 Centre for Marine Science & Technology, MS University,  
 Nagercoil  
 Arumugam Pillai Seethai Ammal College, Tirupattur  
 Annamalai University, Parangipettai\*  
 National Institute of Ocean Technology, Chennai#  
 Integrated Coastal and Marine Area Management Project  
 Directorate, Chennai#  
 Institute of Ocean Management, Anna University, Chennai  
 Indian Institute of Technology, Madras  
 Alagappa University, Karaikudi

National Centre for Medium Range Weather Forecasting,  
 NOIDA#

Uttar Pradesh

Banaras Hindu University, Varanasi

Bidhan Chandra Krishi Vidyapeeth, Mohanpur, Kolkata  
 Bose Institute, University of Calcutta, Kolkata  
 Central Mechanical Engineering Research Institute, Durgapur  
 Indian Institute of Technology, Kharagpur\*  
 Jadavpur University, Kolkata  
 University of Calcutta, Kolkata  
 Geological Survey of India, Kolkata  
 Sea Explorers Institute, Kolkata

West Bengal

\*-Ocean and Atmospheric Science & Technology Cell of the Ministry of Earth Sciences.

#-Autonomous institute or attached office of the Ministry of Earth Sciences.

### **Proposal for Tsunami Warning Centres**

3348. SHRI K.P.K. KUMARAN: Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether Government have received any proposal under its consideration to establish some more Tsunami Warning Centres other than the ones already selected under Phase-I, namely Chennai, Cuddalore, Nagapattinam, Rameswaram, Tuticorin and Kanyakumari; and

(b) whether Government will take into consideration a new idea of establishing Sub-Centres in between these six Centres since the distance between these Centres is feared to be too large?

THE MINISTER OF EARTH SCIENCES (SHRI KAPIL SIBAL): (a)  
No, Sir.

However, the Government is setting up a National Early Warning System for tsunami and storm surges in Indian Ocean with the following components:

- \*Strengthening of the existing seismological network to indicate, near real time occurrence of tsunamigenic earthquakes;

- Installation of tsunami warning sensors close to the ocean bottom at appropriate locales in the Indian Ocean, with real time connectivity;

- Tide gauge and data buoys networking to validate arrival of tsunami waves at the coast;

- Modeling of the inundation scenarios for the entire coast and mapping of potential risk areas;

- Collection of information, analysis and generating status advisories.

A centre is being established at Indian National Centre for Ocean Information Services (INCOIS), Hyderabad for the collection of information, analysis and for dissemination of advisories. This centre is for Indian Ocean Tsunami Warning System and hence, will serve, not only the entire Indian coast line including islands but complete Indian Ocean region.

(b) Does not arise.

### **Food testing laboratories in the country**

3349. SHRI AMAR SINGH:

SHRI ABU ASIM AZMI:

Will the Minister of FOOD PROCESSING INDUSTRIES be pleased to state:

- (a) the number of food testing laboratories in the country at present;

- (b) whether Government propose to set up more such laboratories and if so, the details thereof, State-wise; and

- (c) by when, these laboratories will start functioning?